PYLE WATCHDOG
PARKING SENSOR SYSTEMS

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PARKING SENSOR SYSTEM

- PLPSE8WL
- PLPSE9WL

GENERAL INTRODUCTION

Features:

- The parking sensor system will start automatically after the gear on the “R”
- High-clear display show the digital distance and left and right direction.
- Four steps of alarm sound to alert the distance
- Identify itself automatically and take priority of the dangerous distance alarm
- Design for the whole day and anti- electromagnetism disturb

Technical parameters

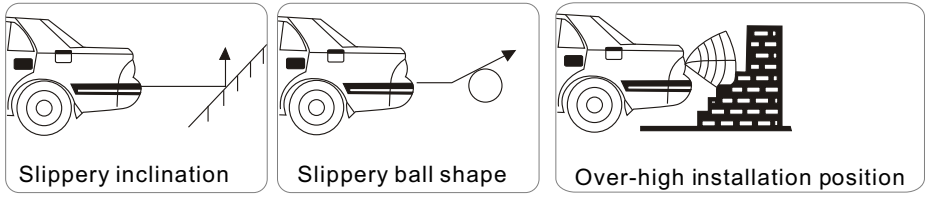
- Supply voltage: + 12V ±2V(DC)
- Power consumption:3.5W(max)
- Work temperature:-40~+80°C
- Detecting distance:2.0 M~0.3M
- Display distance: 2.0 M~0.3M
- Alarming distance: ≤1.5 M
- Alarming volume:≥75dB

CONDITION DIAGNOSIS AND TROUBLE SHOOTING

Phenomenon	Reason	Inspection
No reaction after installation	1.No power supply or low voltage. 2.Lose connection of wire. 3.Fail to test any obstacle when driving backwards.	1.If the voltage of battery is normal, and control wire is correctly connected. 2.If each wire is well connected.
Mute, unclear voice or low volume	1.Mute status has been set in monitor. 2.The installing surrounding of the display and the speaker have been blocked by something. 3.Low voltage of battery.	1.According to the operation of specification, absolve the setting of mute. 2.Cheak if the display and the speaker have been blocked by something . 3.Timely recharging battery to ensure the normal working of main unit.
Haste alarming sound	1.Incorrect installation or loosening of sensor. 2.Damage of sensor. 3.Bad installing environment of main unit.	Correctly install according to specification. If necessary, turn to the guidance of professional persons and periodical inspection. Please change on time the sensor if it is damaged manually.
Unusual phenomenon of probing distance	1.Abnomaly of battery. 2.Loosening of the wire of sensor or with dirt. 3.Dirt in the surface of sensor. 4.Incorrect installation of sensor.	1.Check if the voltage of battery is normal. 2.Correctly connect wires according to specification and check if the connecting points are dirty. 3.Retain the cleanliness of sensor. 4.Correctly install according to the specification.

CAUTION

Circumstances showed under will affect the probing result



1)Be careful reading the instruction before usage.

2)The speed should be less than 5km/hr when parking in order to avoid collision with obstacle because of inertia.

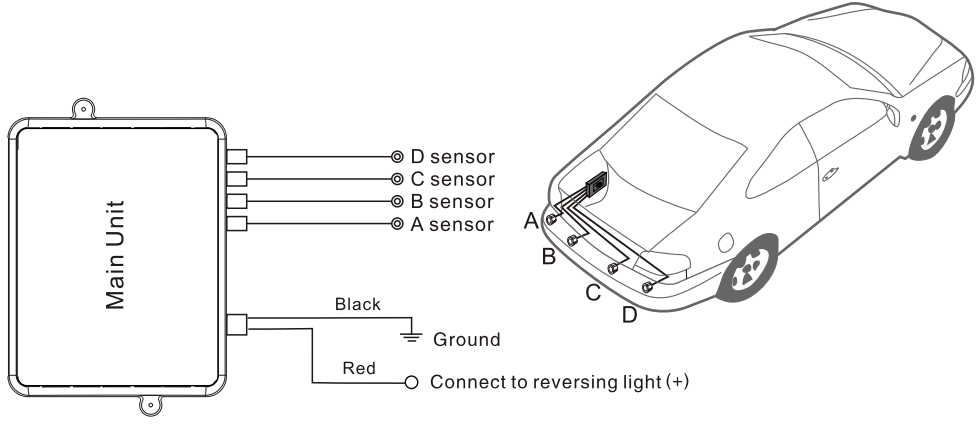
3)Probing distance varies according to different object. For example, such obstacles as slippery inclination, ball shape objects, irregular object, sound-absorbed object will affect the probing result.

4)The damage of sensor, or its being dirt, covered by snow, frost, earth, will also affect the probing result.

5)During installation, please be careful not to mangle, prick, break and lengthen the wire of sensor.

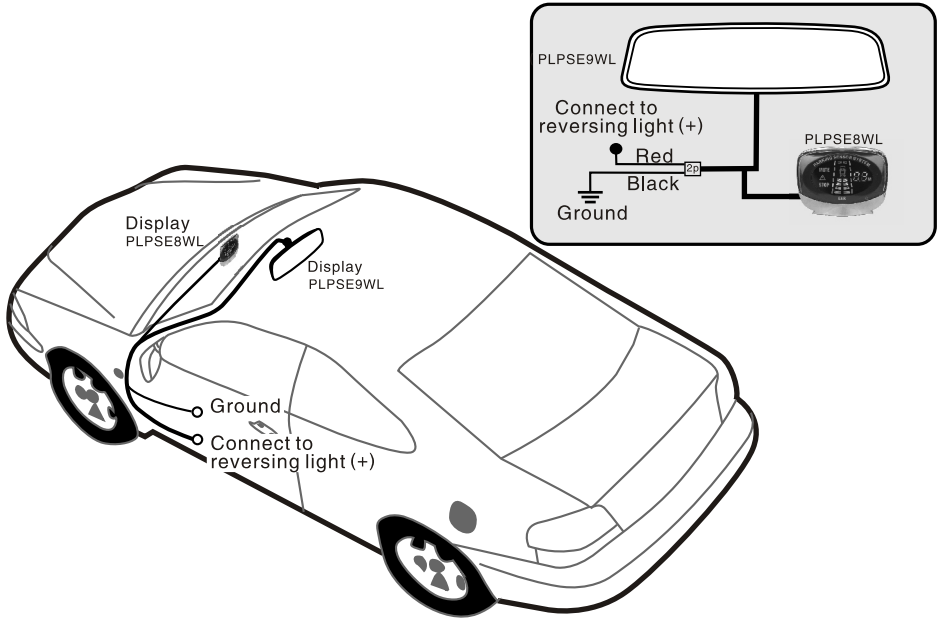
6)This product is only for the purpose of assistance and reminder and we will not take any responsibility for any accidence.

GENERAL INSTALLATION CHART

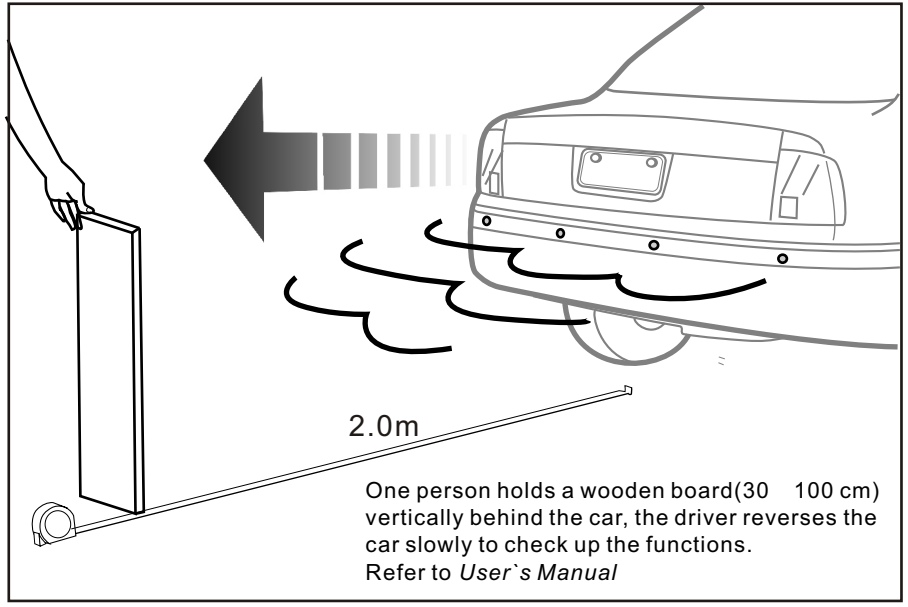


※ All interfaces must be connected carefully and correctly. Wiring distribution must be in a distance as far as possible from ignition coil and high-voltage wire.

GENERAL INSTALLATION CHART

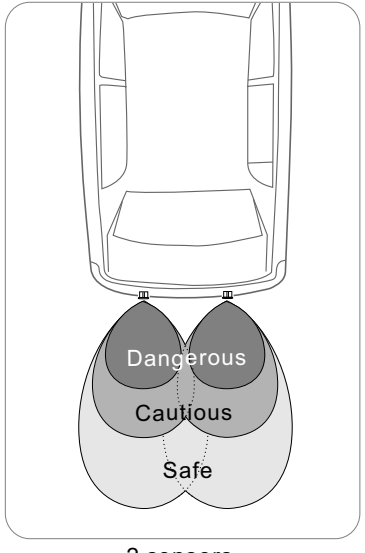


CHECK UP THE DISTANCE

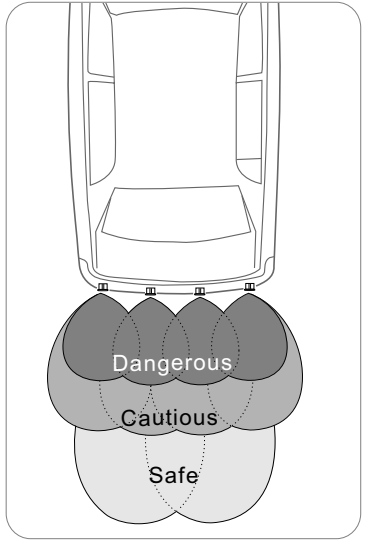


One person holds a wooden board(30 100 cm) vertically behind the car, the driver reverses the car slowly to check up the functions.
Refer to *User`s Manual*

DETECTIVE RANGE

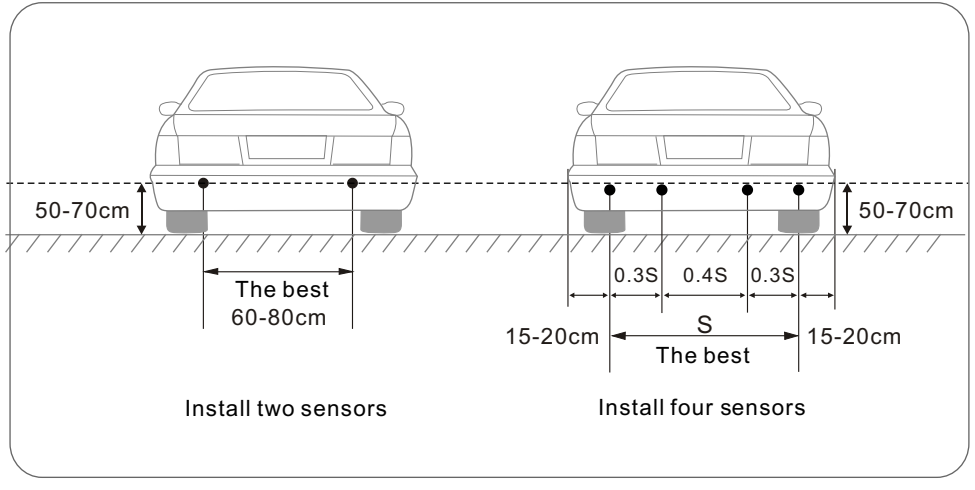


2 sensors

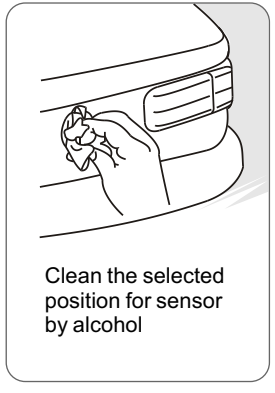


4 sensors

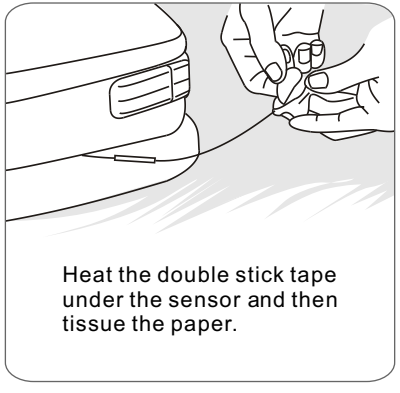
SENSOR POSITION



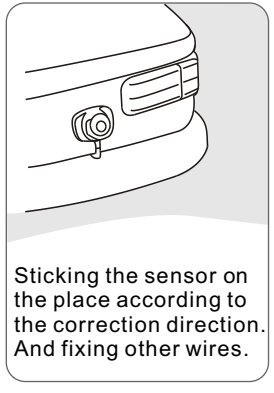
INSTALLATION FOR STICK-UP SENSOR



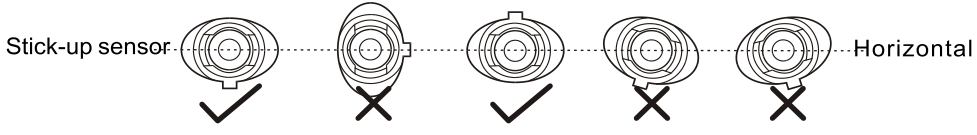
Clean the selected position for sensor by alcohol



Heat the double stick tape under the sensor and then tissue the paper.



Sticking the sensor on the place according to the correction direction. And fixing other wires.

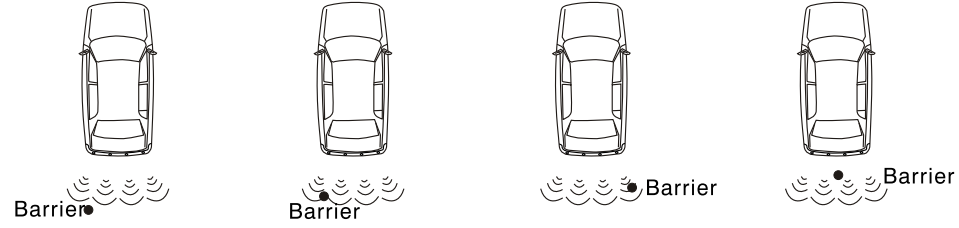


WORKING PRINCIPLE

After entering "R" grade, the system will working automatically. When the barrier distance is more than 2m, the monitor will not display digital distance left and right direction. When less than 2m, the monitor will display digital distance left and right direction. When less than 1.5m, the system will alarming and the tempo will gradually quick with the distance short.

The design of this system takes priority of danger distance alarming. From the information we know the impact direction . When more information on the left, it means the impact is on the left, contrarily, the barrier is on the right, when the left information equalize the right information, it means the impact is in the middle.

INSTRUCTION OF DETECTING BARRIER



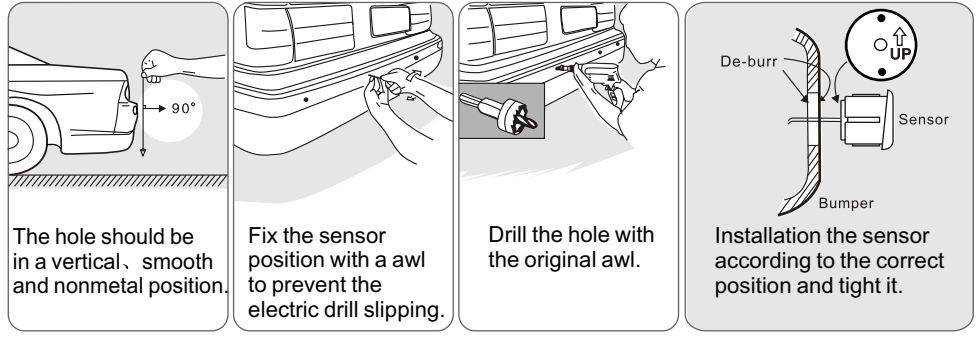
1.there is barrier behind car on the left of 2M.

2.there is barrier behind car on the left of 1.5M.

3.there is barrier behind car on the right of 1M.

4.there is barrier behind car on the middle of 1M.

INSTALLATION FOR EMBED SENSOR

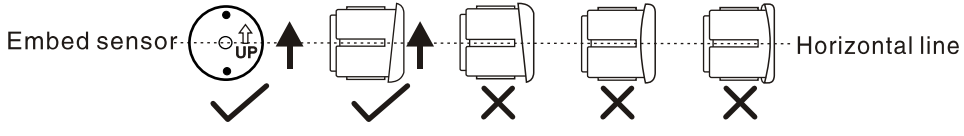


The hole should be in a vertical、smooth and nonmetal position.

Fix the sensor position with a awl to prevent the electric drill slipping.

Drill the hole with the original awl.

Installation the sensor according to the correct position and tight it.



LCD DISPLAY

PLPSE9WL

Digital display and 2 sides 4-Colour & 4-stage LED indicator with beeper

Stage	The distance between car and the barrier	Alarm sound	The colour of LED light	Remark
1	2.0-1.5M safe	Without	Blue	Reversing safely
2	1.5-1.0M safe	Bi---Bi---Bi---	Green	
3	1.0-0.6M cautious	Bi--Bi--Bi--	Orange	Reversing slowly
4	0.6-0.4M dangerous	Bi–Bi–Bi–	Red	Stop reversing
5	0.4-0.1M dangerous	Bi————		

LCD DISPLAY

PLPSE8WL

Digital display and 2 sides 4-Colour & 4-stage LED indicator with beeper

Stage	The distance between car and the barrier	Alarm sound	The colour of LED light	Remark
1	2.0-1.5M safe	Without	Blue	Reversing safely
2	1.5-1.0M safe	Bi---Bi---Bi---	Green	
3	1.0-0.6M cautious	Bi--Bi--Bi--	Orange	Reversing slowly
4	0.6-0.4M dangerous	Bi–Bi–Bi–	Red	Stop reversing
5	0.4-0.1M dangerous	Bi————		